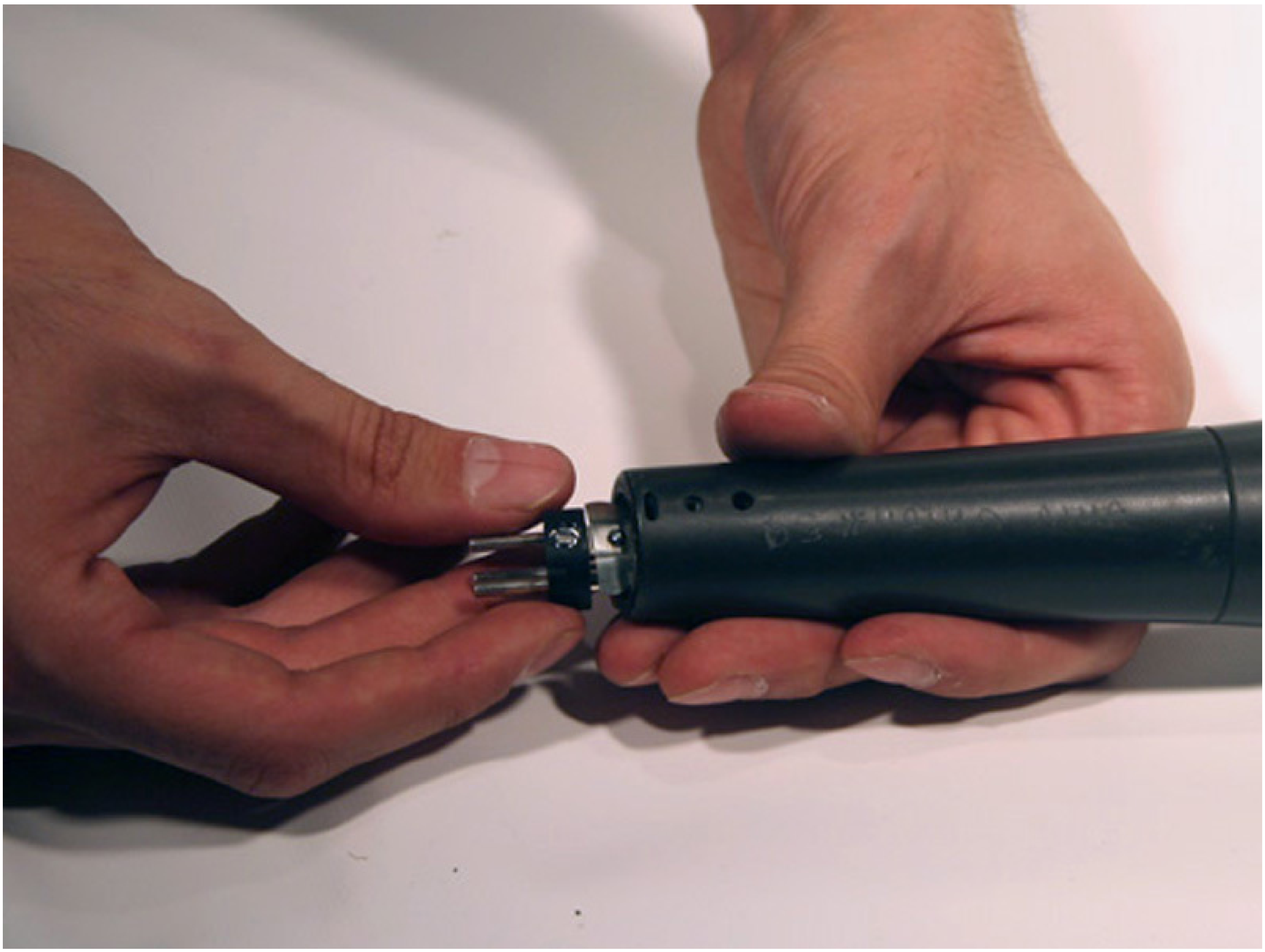
Shure SM58 XLR Connector Wire Repair

This guide will show you how to solder any broken wires back onto the Microphone XLR Connector.

Written By: nat coll



© iFixit — CC BY-NC-SA

INTRODUCTION

The XLR Connector is the part of the microphone that plugs into the cable which carries the sound to the sound mixer and speakers.

TOOLS:

- Flathead 3/32" or 2.5 mm Screwdriver (1)
- Soldering Workstation (1)

Step 1 — XLR Microphone Connector Disassembly

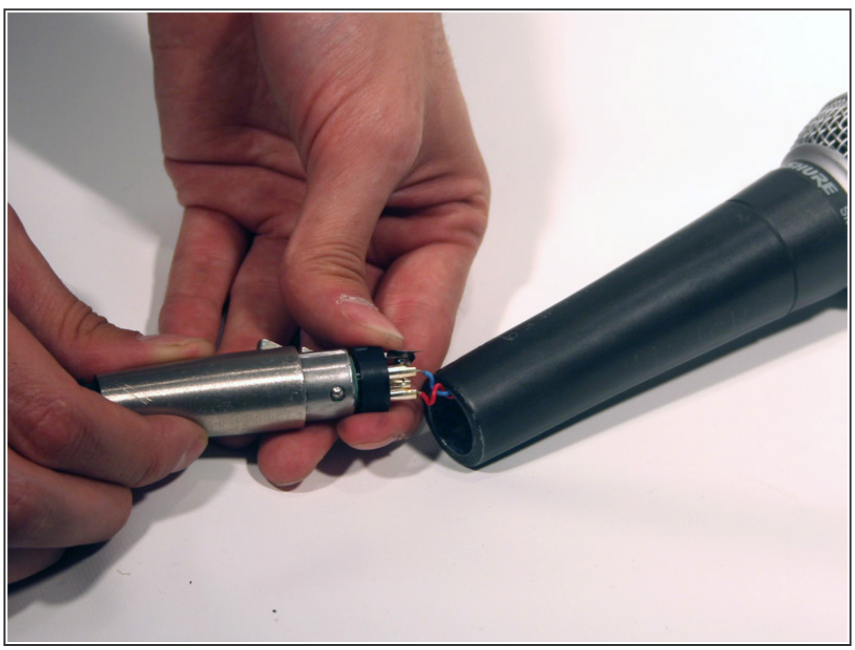


- Using a small flat head screwdriver, gently turn the retaining screw at the bottom of the microphone counterclockwise until it stops or provides resistance.

ⓘ The retaining screw is mounted to the connector and has a left-handed thread. Turning the screw clockwise locks the connector in place. Turning it counterclockwise lowers it down into the hole, releasing the connector.

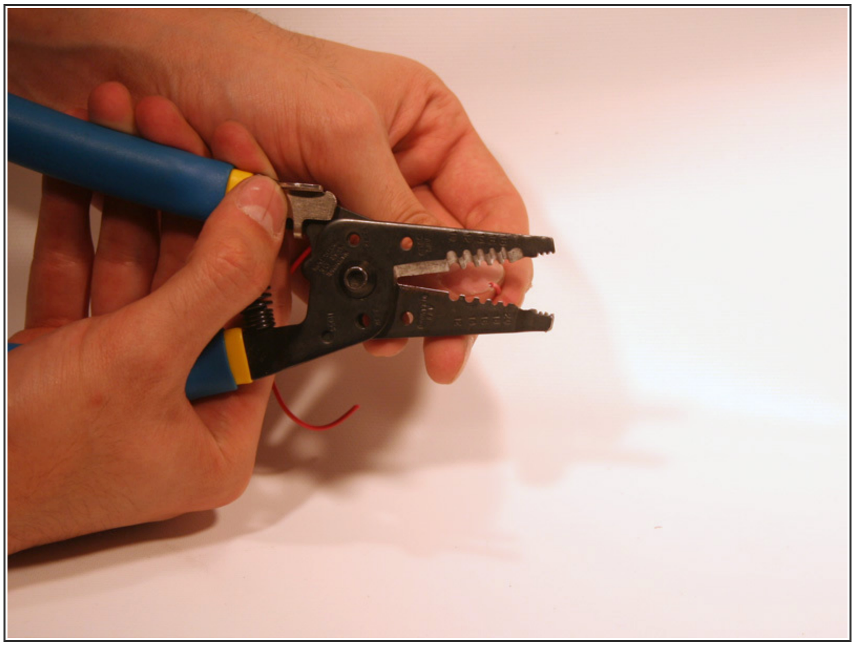
⚠ Once the screw stops, do not try to loosen it further.

Step 2



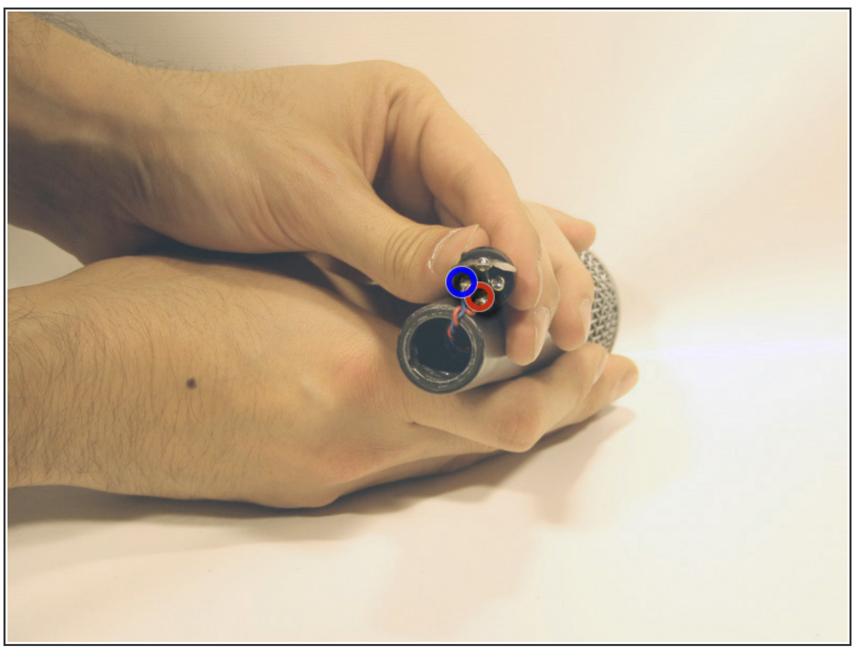
- Plug an XLR cable into the loose connector.
- While holding the disconnect button down, pull on the cable to remove the connector from the body of the microphone.

Step 3 — Shure SM58 XLR Connector Wire Repair



- If the wire is not exposed from the insulation, strip the broken wire.

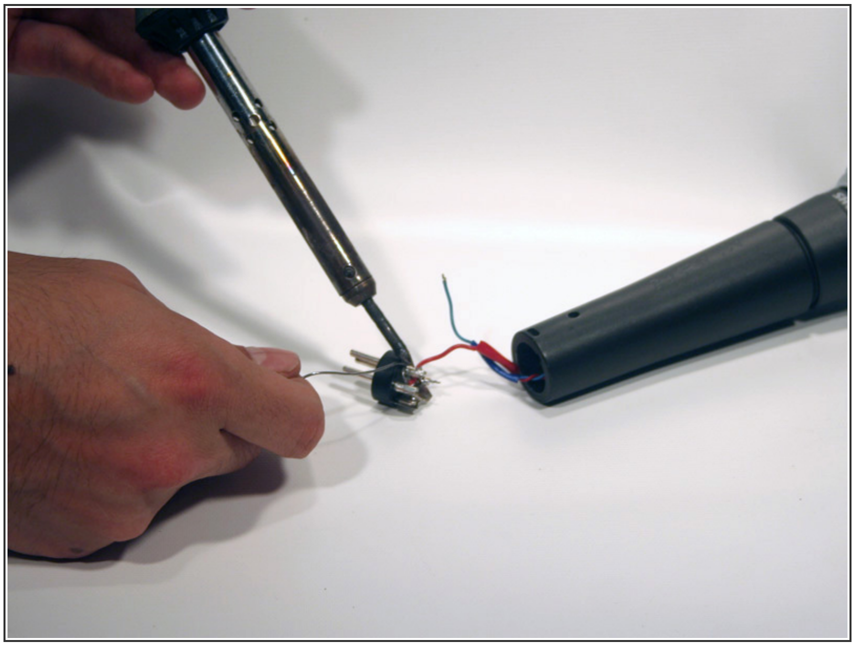
Step 4



- Bend the wire around the contact point. Pin numbers are located on the outside of the connector.
- Connect the red wire to Pin 3 and the blue wire to Pin 2.
- Pin 1 should have a single piece of exposed wire connecting it to the metal plate on the top of the connector (the ground plate).

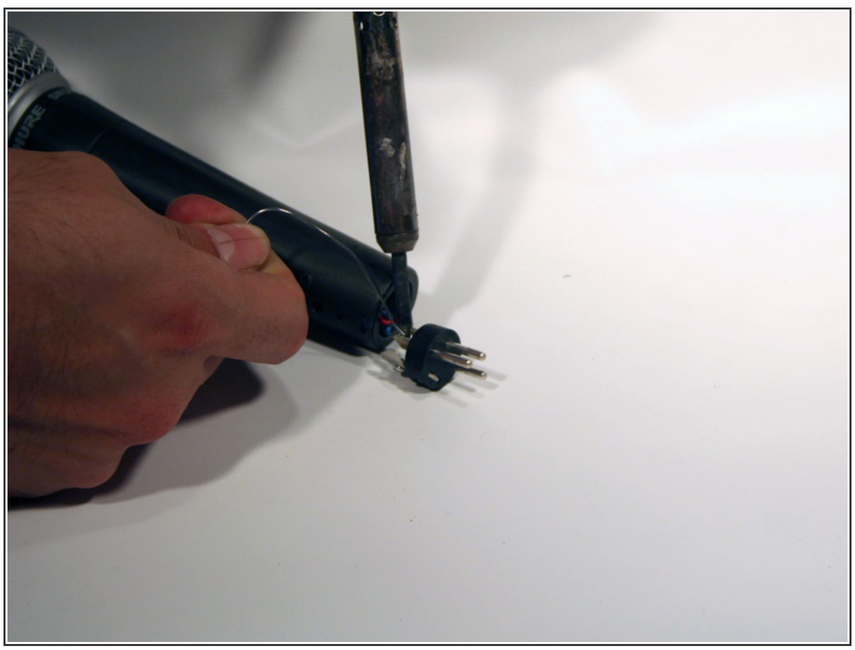
© iFixit — CC BY-NC-SA

Step 5



- Clamps are helpful for this step.
- In one hand, hold the solder. In the other hold your soldering iron.
- Touch both the soldering iron and the solder to the contact point. The solder should melt and create a connection between the wire and the microphone connector.

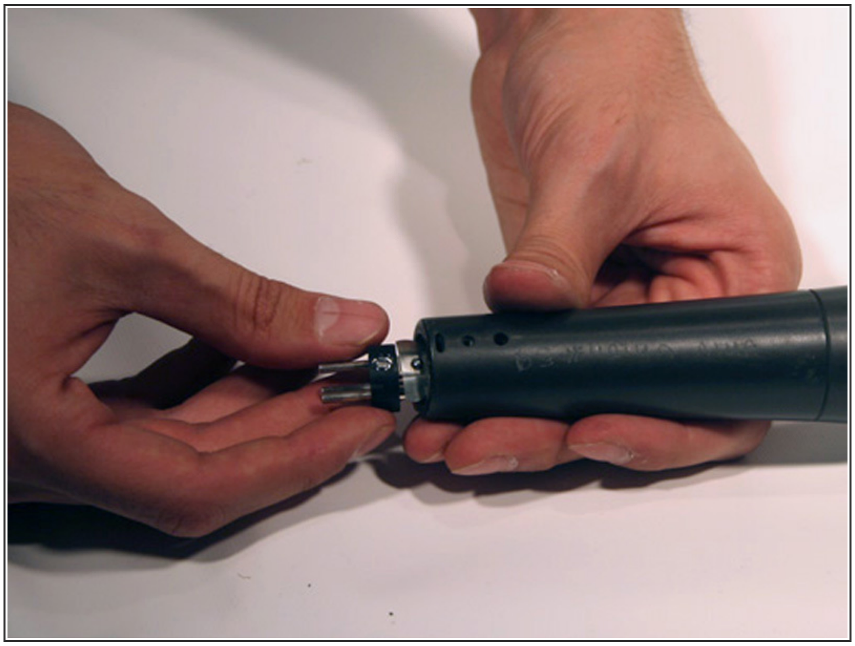
Step 6



- Remove the solder and then the soldering iron from the contact point.
- If you remove the soldering iron first, the solder may become stuck to the contact point.
- Let the wire cool for 30 seconds or so.
- If the wire is not completely connected repeat steps 2 through 5.

© iFixit — CC BY-NC-SA

Step 7



- To reinstall the XLR connector, follow the Installing Shure SM58 XLR connector guide

After soldering the wires to the XLR connector and reassembling your microphone, your microphone should be ready to plug in to the XLR cable and function properly.

This document was last generated on 2017-06-24 03:11:18 PM.